



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

QC ABSTRACT

ME OF WORK: Balance Developmental works to Ayurvedic Hospital in Ward No.05

Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
1	Cement	Materials			
		Fineness by dry sieving	One Test		
		Fineness by Air permeability method	One Test	1	1
		Density	One Test	1	1
		Standard Consistency	One Test	1	1
		Initial Setting time	One Test	1	1
		Final Setting time	One Test	1	1
2	Coarse aggregate(40 mm down size)	Soundness (Le Chatelier's Method)	One Test	1	1
		Compressive Strength	One Test	1	1
		SIEVE ANALYSIS	One Test	1	1
		Flakiness Index	One Test	1	1
		Elongation Index	One Test	1	1
		Specific Gravity	One Test	1	1
		Bulk Density(Loose)	One Test	1	1
3	Coarse aggregate(20 mm down size)	Bulk Density(Compacted)	One Test	1	1
		Water Absorption	One Test	1	1
		SIEVE ANALYSIS	One Test	1	1
		Flakiness Index	One Test	1	1
		Elongation Index	One Test	1	1
		Specific Gravity	One Test	1	1
		Bulk Density(Loose)	One Test	1	1
4	Fine aggregate	Bulk Density(Compacted)	One Test	1	1
		Water Absorption	One Test	1	1
		Aggregate crushing Value	One Test	1	1
		Aggregate Impact Value	One Test	1	1
		SIEVE ANALYSIS	One Test	1	1
		Water Absorption	One Test	1	1
		Specific Gravity	One Test	1	1
5	Steel	Material finer than 75 micron	One Test	1	1
		Bend test	One Test	1	1
		Tensile Test	One Test	1	1
		Yield Test	One Test	1	1
6	Block(400*200*200)	ReBend test	One Test	1	1
		BLOCK DENSITY	One Test	1	1
		WATER ABSORPTION	One Test	1	1
		DIMENSION ANALYSIS	One Test	1	1
7	KERB	COMPRESSIVE STRENGTH	One Test	1	1
		Core Compressive strength	One Test	1	1
		Corrected Cylinder Compressive strength	One Test	1	1
		Equivalent Cube Compressive strength	One Test	1	1

[Signature]

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Precast (100mm)	Core Compressive Strength	One Test		1	1
	Corrected Cylinder Compressive Strength	One Test		1	1
	Equivalent Cube Compressive Strength	One Test		1	1
PCC(M10)	Compressive Strength(7days and 28days)	2 sets /6-15 cum	10.03	4	4
RMC(M20)	Compressive Strength(7days and 28days)	3 sets /16-30 cum	25.46	6	6
Mortar Sand	Water Absorption	One Test		1	1
	Specific Gravity	One Test		1	1
	Material finer than 75 micron	One Test		1	1
	Compacted Bulk Density	One Test		1	1
	Loose Bulk Density	One Test		1	1
Plaster Sand	SIEVE ANALYSIS	One Test		1	1
	Water Absorption	One Test		1	1
	Specific Gravity	One Test		1	1
	Material finer than 75 micron	One Test		1	1
	SIEVE ANALYSIS	One Test		1	1

[Signature]

[Signature]
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 02

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Format No: CP/TF/01

Lab ID : CP-2023-11-15-05
Project Name : Balance Developmental works to Ayurvedic Hospital in Ward No.05
Agency : Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.
Customer's Reference : EE(Project)/Ynk Zone/WO/083/2022-23
Date of Receipt : 03-04-23
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 269:2015 Ordinary Portland cement Specification ,
IS 4031 (Part 4,5):1988
IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability
IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test : 04-04-23
Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	Fineness by dry sieving (%)	1.75	-
2	Finess by Air permeablity method (m ² /kg,Min)	281.4	225m ² /kg, Min
3	Density (gm/cc)	3.14	-
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	285 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.

R KARTHIK RECHAN

Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Date: 02-05-23

Lab ID

Project Name

Agency

Customer's Reference

Date of Receipt

Sample Type

Reference to BIS codes

Date of test

Environmental Conditions during test

: CP-2023-11-15-05

: Balance Developmental works to Ayurvedic Hospital in Ward No.05

: Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.

: EE(Project)/Ynk Zone/WO/083/2022-23

: 03-04-23

: Birla Super 53grade

: IS 269:2015 Ordinary Portland cement Specification ,

: IS 4031 (Part 4,5):1988 , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5

: IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6

: 04-04-23

Temperature:

26°C

Humidity:

72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	3 Days	28.5N/mm ²	Not less than 27 N/mm ²
2	7 Days	39.0N/mm ²	Not less than 37 N/mm ²
3	28 Days	58.5N/mm ²	Not less than 53 N/mm ²

* The results obtained are satisfactory as per standard requirements.

[Signature]

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.

[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2023-11-15-05
Project Name : Balance Developmental works to Ayurvedic Hospital in Ward No.05
Agency : Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.
Customer's Reference : EE(Project)/Ynk Zone/WO/083/2022-23
Date of Receipt : 03-04-23
Sample Type : 40mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 03-04-23

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	218	218	1.5	98.5	90-100
3	20 mm	7289	7507	50.0	50.0	30-70
4	10 mm	5102	12609	84.1	15.9	10-35
5	4.75 mm	2185	14794	98.6	1.4	0-5
6	Pan	206	15000	100.0	0	---

Page 1/2

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT ON COARSE AGGREGATES

Format No: CP/TF/01

Lab ID

: CP-2023-11-15-05

Date: 06-04-23

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.8	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.5	
3	Specific Gravity	2.62	
4	Bulk Density(Loose) (Kg/l)	1.48	—
5	Bulk Density(Compacted) (Kg/l)	1.51	—
6	Water Absorption(%)	0.18	—

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 2/2

****End of Report****



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2023-11-15-05 Date: 05-04-23
Project Name : Balance Developmental works to Ayurvedic Hospital in Ward No.05
Agency : Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station,
Yelahanka, Banagalore-64.
Customer Reference : EE(Project)/Ynk Zone/WO/083/2022-23
Date of Receipt : 03-04-23
Sample Type/ Size : 20mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 03-04-23

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken		5000 grams				
Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	240	240	4.8	95.2	90-100
3	10 mm	2567	2807	56.1	43.9	25-55
4	4.75 mm	2030	4837	96.7	3.3	0-10
5	Pan	163	5000	100	0	-

Page 1/2

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92





AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT ON COARSE AGGREGATES

Format No: CP/TF/01

Lab ID

CP-2023-11-15-05

Date: 05-04-23

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	9.8	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.3	
3	Specific Gravity	2.65	
4	Bulk Density(Loose) (Kg/l)	1.5	—
5	Bulk Density(Compacted) (Kg/l)	1.52	—
6	Water Absorption(%)	0.23	—
7	Aggregate crushing Value(%)	22.7	Max 30% for Aggregates to be used in concrete for wearing Surface. In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	24.6	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.

R. KARTHIK RECHAN
Authorized Signature
Quality Manager

Page 2/2

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Lab ID

Project Name

Agency

Customer's Reference

Date of Receipt

Sample Type

Reference to BIS codes

Date of test

Total weight taken

TEST REPORT OF FINE AGGREGATE

Format No: CP/TF/01

Date: 05-04-23

CP-2023-11-15-05
Balance Developmental works to Ayurvedic Hospital in Ward No.05
Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka,
Banagalore-64.
EE(Project)/Ynk Zone/WO/083/2022-23
03-04-23
Fine Aggregate
IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
03-04-23

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	78	78	7.8	92.2	90-100	90-100	90-100	95-100
3	2.36 mm	65	143	14.3	85.7	60-95	75-100	85-100	95-100
4	1.18 mm	244	387	38.7	61.3	30-70	55-90	75-100	90-100
5	600 micron	215	602	60.2	39.8	15-34	35-59	60-79	80-100
6	300 micron	178	780	78.0	22.0	5-20	8-30	12-40	15-50
7	150 micron	141	921	92.1	7.9	0-10	0-10	0-10	0-15
8	Pan	79	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

Page 1/2

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF FINE AGGREGATE

CP-2023-11-15-05

Date: 05-04-23

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	
2	Specific Gravity	2.59	
3	Material finer than 75 micron(%)	7.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore



FOR CIVIL Pro.

R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 2/2

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST RESULTS OF STEEL

Format No: CP/TF/01

Date: 04-04-23

Name : CP-2023-11-15-05
Balance Developmental works to Ayurvedic Hospital in Ward No.05
Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka,
Banagalore-64.
er's Reference : EE(Project)/Ynk Zone/WO/083/2022-23
Receipt : 03-04-23
Type : Sunvik
ce to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.
test: : 03-04-23

Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
		(mm)	(kg/m)	(N/mm ²)	(N/mm ²)	(%)		
Sunvik	Fe500D	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
Sunvik	Fe500D	16	1.581	572	674	19.0%	Satisfactory	Satisfactory

Results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Spectro Chemical Analysis, Physical, Non Destructive All Type of Metal

Lab ID

Project Name

Agency

Customer's Reference

Date of Receipt

Sample Type / Grade

Date of test

Testing

CP-2023-11-15-05

Date: 05-04-23

Balance Developmental works to Ayurvedic Hospital in
Ward No.05

Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police
Station, Yelahanka, Banagalore-64.

EE(Project)/Ynk Zone/WO/083/2022-23

03-04-23

Sunvik

03-04-23

CHEMICAL ANALYSIS

Sl. No.	Chemical Contents	8mm	16mm	Max. Limits as per IS:1786-2008, Gr. Fe 550
1	Carbon (C) %	0.142	0.188	0.300 Max
2	Phosphor (P) %	0.035	0.036	0.050 Max
3	Sulphur (S) %	0.037	0.046	0.055 Max
4	Sulphur & Phosphorus %	0.082	0.071	0.100 Max

Note : The above material confirms to ASI S S 304 with respect to elements analysed

[Signature]

FOR CIVIL Pro.

[Signature]

R KARTHIK RECHAN
Authorized Signatory
Quality Manager



Asst. Executive Engineer

Project Division

Yelahanka Zone

BBMP, Bangalore - 92

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 25/04/2023

Name : CP-2023-11-15-05
: Balance Developmental works to Ayurvedic Hospital in Ward No.05
: Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.
er's Reference : EE(Project)/Ynk Zone/WO/083/2022-23
Receipt : 20-04-23
er ID : Grill Pole Concrete
Type /Size : 150X150X150 mm
grade/Age : M20 / 7 Days Compressive Strength
ce to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
test : 25/04/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
Grill Pole Concrete	M20	18/04/2023	25/04/2023	150.99 X 150.29 X 150.71	22692	8.151	335.3	14.8	14.5
Grill Pole Concrete	M20	18/04/2023	25/04/2023	150.83 X 150.03 X 150.81	22629	8.527	327.3	14.5	
Grill Pole Concrete	M20	18/04/2023	25/04/2023	150.16 X 150.20 X 150.99	22553	8.488	324.6	14.4	

Its obtained are satisfactory as per standard requirements.

[Signature]

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro
[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 16/05/2023

Project Name : CP-2023-11-15-05
Project Name : Balance Developmental works to Ayurvedic Hospital in Ward No.05
Project Name : Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.
Project Name : EE(Project)/Ynk Zone/WO/083/2022-23
Project Name : 20-04-23
Project Name : Grill Pole Concrete
Project Name : 150X150X150 mm
Project Name : M20 / 28 Days Compressive Strength
Project Name : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Project Name : 16/05/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
Grill Pole Concrete	M20	18/04/2023	16/05/2023	150.38 X 150.33 X 150.64	22607	8.858	521.0	23.0	23.3
Grill Pole Concrete	M20	18/04/2023	16/05/2023	150.19 X 150.99 X 150.68	22677	8.504	523.5	23.1	
Grill Pole Concrete	M20	18/04/2023	16/05/2023	150.01 X 150.33 X 150.04	22551	8.585	536.7	23.8	

Results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.
R. KARTHIK RECHAN
Authorized Signatory
Quality Manager



NAME OF WORK



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 04/05/2023

Project Name : CP-2023-11-15-05
 Location : Balance Developmental works to Ayurvedic Hospital in Ward No.05
 Client's Reference : Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.
 Date of Receipt : EE(Project)/Ynk Zone/WO/083/2022-23
 Sample ID : 29-04-23
 Sample Type /Size : PCC
 Sample grade/Age : 150X150X150 mm
 Reference to BIS codes : M10 / 7 Days Compressive Strength
 Date of test : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
 : 04/05/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
PCC	M10	27/04/2023	04/05/2023	150.88 X 150.88 X 150.20	22765	8.173	168.6	7.4	7.4
PCC	M10	27/04/2023	04/05/2023	150.86 X 150.50 X 150.72	22706	8.276	163.9	7.2	
PCC	M10	27/04/2023	04/05/2023	150.20 X 150.32 X 150.85	22577	8.686	172.4	7.6	

results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.

R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



NAME OF WORK

AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

CIVIL PRO

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 25/05/2023

CP-2023-11-15-05
Balance Developmental works to Ayurvedic Hospital in Ward No.05
Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.
EE(Project)/Ynk Zone/WO/083/2022-23
29-04-23
PCC
150X150X150 mm
M10 / 28 Days Compressive Strength
IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete CI.5
25/05/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
PCC	M10	27/04/2023	25/05/2023	150.69 X 150.01 X 150.58	22606	8.778	262.9	11.6	11.9
PCC	M10	27/04/2023	25/05/2023	150.25 X 150.93 X 150.34	22678	8.845	266.3	11.7	
PCC	M10	27/04/2023	25/05/2023	150.91 X 150.59 X 150.69	22725	8.199	280.9	12.4	

results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.

R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



NAME OF WORK



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 04/05/2023

CP-2023-11-15-05
Balance Developmental works to Ayurvedic Hospital in Ward No.05
Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.
EE(Project)/Ynk Zone/WO/083/2022-23
29-04-23
PCC
150X150X150 mm
M10 / 7 Days Compressive Strength
IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
04/05/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
PCC	M10	27/04/2023	04/05/2023	150.28 X 150.59 X 150.57	22630	8.967	176.5	7.8	7.5
PCC	M10	27/04/2023	04/05/2023	150.82 X 150.40 X 150.20	22682	8.737	160.5	7.1	
PCC	M10	27/04/2023	04/05/2023	150.50 X 150.71 X 150.20	22682	8.381	175.2	7.7	

Results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore - 92



FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 25/05/2023

Project Name : CP-2023-11-15-05
Project Location : Balance Developmental works to Ayurvedic Hospital in Ward No.05
Client's Reference : Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.
Date of Receipt : EE(Project)/Ynk Zone/WO/083/2022-23
Project ID : 29-04-23
Sample Type /Size : PCC
Sample grade/Age : 150X150X150 mm
Reference to BIS codes : M10 / 28 Days Compressive Strength
Date of test : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
25/05/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
PCC	M10	27/04/2023	25/05/2023	150.99 X 150.89 X 150.09	22783	8.796	282.4	12.4	12.1
PCC	M10	27/04/2023	25/05/2023	150.41 X 150.58 X 151.00	22650	8.307	270.7	12.0	
PCC	M10	27/04/2023	25/05/2023	150.63 X 150.71 X 150.80	22703	8.829	267.9	11.8	

Results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 16/05/2023

CP-2023-11-15-05
Balance Developmental works to Ayurvedic Hospital in Ward No.05
Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.
EE(Project)/Ynk Zone/WO/083/2022-23
11-05-23
Plinth Beam Concrete
150X150X150 mm
M20 / 7 Days Compressive Strength
IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
16/05/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
Plinth Beam Concrete	M20	09/05/2023	16/05/2023	150.68 X 150.80 X 150.92	22721	8.345	335.0	14.7	14.4
Plinth Beam Concrete	M20	09/05/2023	16/05/2023	150.07 X 150.00 X 150.22	22510	8.137	316.2	14.0	
Plinth Beam Concrete	M20	09/05/2023	16/05/2023	150.06 X 150.64 X 150.25	22605	8.330	327.3	14.5	

Results obtained are satisfactory as per standard requirements.

[Signature]

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.
[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 06/06/2023

CP-2023-11-15-05
Balance Developmental works to Ayurvedic Hospital in Ward No.05
Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.
EE(Project)/Ynk Zone/WO/083/2022-23
11-05-23
Plinth Beam Concrete
150X150X150 mm
M20 / 28 Days Compressive Strength
IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
06/06/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
Plinth Beam Concrete	M20	09/05/2023	06/06/2023	150.93 X 150.92 X 150.37	22779	8.703	544.7	23.9	23.7
Plinth Beam Concrete	M20	09/05/2023	06/06/2023	150.15 X 150.75 X 150.21	22635	8.541	530.4	23.4	
Plinth Beam Concrete	M20	09/05/2023	06/06/2023	150.14 X 150.57 X 150.79	22607	8.795	539.1	23.8	

Results obtained are satisfactory as per standard requirements.

[Signature]

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore - 92



FOR CIVIL Pro.
[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

M: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT FOR PLASTER SAND

Format No: CP/TF/2017

Lab ID

Project Name

Agency

Customer's Reference

Date of Receipt

Sample Type

Reference to BIS codes

Date: 23-05-23

Balance Developmental works to Ayurvedic Hospital in Ward No.05
Banagalore-64.

EE(Project)/Ynk Zone/VO/083/2022-23

19-05-23

Plaster Sand

IS: 383 : 2016 (Specification for Coarse and fine Aggregates)

IS1542:1992 (RA 2019) (Sand for Plaster - Specification)

IS: 2386 :1963(Part - 1, 3) RA2021

IS 2386 Part 1: Particle Size and Shape

IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of test

Total weight taken

Sl.No	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 1542:1992
1	10 mm	0	0	0	100	100
2	4.75 mm	35	35	3.5	96.5	95-100
3	2.36 mm	12	47	4.7	95.3	95-100
4	1.18 mm	50	97	9.7	90.3	90-100
5	600 micron	100	197	19.7	80.3	80-100
6	300 micron	223	420	42	58	20-65
7	150 micron	500	920	92	8	0-15
8	Pan	80	1000	100	0	---

Page 1/2

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF FINE AGGREGATE

Lab ID

:

CP-2023-11-15-05

Date: 23-05-23

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.8	
2	Specific Gravity	2.56	
3	Material finer than 75 micron(%)	8.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

[Signature]

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.
[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 2/2

****End of Report****

M: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT FOR SAND MASONRY MORTARS

Format No: CP/TF/2017

Date: 22-05-23

Lab ID :
Project Name : CP-2023-11-15-05
Agency : Balance Developmental works to Ayurvedic Hospital in Ward No.05
Customer's Reference : Sri.H.V.Onkarappa, #27,Taralabalu Enclave, Near Police Station, Yelahanka, Banagalore-64.
Date of Receipt : EE(Project)/Ynk Zone/WO/083/2022-23
Sample Type : 19-05-23
Reference to BIS codes : Fine Aggregate, M.Sand for Mortar
IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars)
IS: 2386 :1963(Part - 1, 3) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
Date of test : 19-05-23
Total weight taken : 1000

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	85	85	8.5	91.5	90-100
3	1.18 mm	200	285	28.5	71.5	70-100
4	600 micron	146	431	43.1	56.9	40-100
5	300 micron	116.5	547.5	54.8	45.3	5-70
6	150 micron	412.5	960	96.0	4.0	0-15
7	Pan	40	1000	100.0	0.0	0

Page 1/2

[Signature]

[Signature]



Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

M: 9972924526 | Tel : +91 80 23444801 | e: rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT FOR SAND MASONRY MORTARS

CP-2023-11-15-05

Date: 22-05-23

PHYSICAL PROPERTIES

Sl. No	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)		
2	Specific Gravity	3.18	
3	Material finer than 75 micron(%)	2.51	-
4	Compacted Bulk Density (Kg/litre)	12.2	-
5	Loose Bulk Density (Kg/litre)	1.90	Crushed Fine aggregate Max 15%
		1.73	-

The results obtained are satisfactory as per standard requirements.

[Signature]

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL Pro.

[Signature]
R KARTHIK RECHAN

Authorized Signatory
Quality Manager

Page 2/2

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

CP-2023-11-15-05
Balance Development works to Ayurvedic Hospital in Ward No.05
Sri H.V Onkarappa, #27, Taralabalu Linelave, Near Police Station, Yelahanka, Bangalore-64.
Date: 23-05-23
Solid concrete blocks size (400X200X200)mm
IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification
Part 1: Hollow and Solid Concrete Blocks (Dimensions - Annex-9, 4, 10, Water absorption Annex -E, Clause 9.5 and 10)
Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E, Clause 9.5

Measurement of overall Dimensions of Individual Blocks						
Length	Breadth	Height	Overall Volume of the Block in Cubic Centimetres (cm ³)	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10 ⁶	Avg Block Density in (kg/cum)
mm	mm	mm		kg	Kg/m ³	As per IS 2185(Part 1) :2005 (RA 2010)
399	202	201	16200	32.864	2028.6	
405	198	203	16279	32.288	1983.4	
400	200	202	16160	31.913	1974.8	
WATER ABSORPTION:						
Wt weight after water absorption				Dry weight (Oven dry)		1995.6
				Water Absorption		Not less than 1800Kg/m ³
kg				kg		
33.91				32.25		
33.57				32.14		
33.44				32.24		
				4.28		
				3.59		
				4.25		Shall not be more than 10% by mass

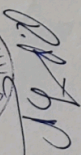
[Signature]

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

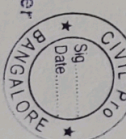
[Circular Stamp: CIVIL PRO BANGALORE]

Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
403	201	203	Length : $\pm 5\text{mm}$ Breadth : $\pm 3\text{mm}$ Height : $\pm 3\text{mm}$
403	201	200	
402	201	200	
399	200	199	
399	202	199	
404	200	202	
400	202	202	
401	200	203	
399	200	200	
400	200	202	
401	199	202	
403	201	203	
404	202	199	
400	199	201	
400	201	200	
404	202	201	
404	200	200	
401	201	201	
401	201	201	
401	201	201	

Page 2/3

Asst. Executive Engineer
Pro Division
Yelahanka Zone
BBMP, Bangalore - 92



TEST STRENGTH:

Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
Length	Breadth	(mm ²)	(kN)	N/mm ²	(N/mm ²)
mm	mm				
201		80562	344.6	4.2	4.3
201		81203	347.7	4.3	
201		80803	348.9	4.3	
200		79854	348.8	4.3	
202		80723	344.8	4.2	
200		80886	344.5	4.3	
202		80811	344.4	4.3	
200		80432	345.4	4.3	
200					
200					

Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C(50)	5.00 N/mm ²	4.00 N/mm ²
C(40)	4.00 N/mm ²	3.20 N/mm ²

Test Results are Satisfactory as per Standard Requirements



Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore - 92



FOR CIVIL PRO
R KARTHIK RECHIAN
Authorized Signatory
Quality Manager

TEST REPORT OF PRECAST COVER SLAB

CP-2023-11-15-05
 Balance Developmental works to Ayurvedic Hospital in Ward No.05
 Sri.H.V Onkarappa, #27, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-64.
 EE(Project)/Ynk Zone/WO/083/2022-23
 06-06-23
 Precast Cover Slab- 100mm thick
 IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete
 06/06/2023
 Date: 10-06-23
 Format No: CP/TF/01

Identification Mark	Diameter of the core (mm)	Height of the core (mm)	Weight of the core (kg)	Area (Sq.mm)	Failure Load (KN)	Core Compressive strength (N/mm ²)	Corrected Cylinder Compressive strength (N/mm ²)	Equivalent Cube Compressive strength (N/mm ²)
Core Slab-1	77.51	100.48	1.116	4718	105.6	22.4	20.8	26.0
Core Slab-2	77.49	100.52	1.122	4715	104.8	22.2	20.7	25.8
Core Slab-3	77.50	100.51	1.118	4716	105.4	22.3	20.8	26.0

Results are satisfactory as per standard requirements.

Asst. Executive Engineer
 Project Division
 Yelahanka Division
 BBMP, Bangalore - 92

FOR CIVIL PRO
 K. KARTHIK REDHAN
 Authorized Signatory
 Quality Manager



Page 1/1
 *****End of Report*****

TEST REPORT OF CEMENT CONCRETE KERB STONE
CP-2023-11-15-05
Balance Developmental works to Ayurvedic Hospital in Ward No.05
Sri.H.V Onkarappa, #27, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-64.
EE(Project) Ynk Zone/WO/083/2022-23
06-06-23
CC Kerb Stone/ 450*165*400mm
IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete
06/06/2023
M20

Sl. No.	Diameter of the core (mm)	Height of the core (mm)	Weight of the core (Kg)	Area (Sq. mm)	Failure Load (KN)	Core Compressive strength (N/mm ²)	Corrected Cylinder Compressive strength (N/mm ²)	Equivalent Cube Compressive strength (N/mm ²)
A	77.52	165.51	2.864	4719	104.3	22.1	22.1	27.6
B	77.48	165.49	2.793	4714	105.9	22.5	22.5	28.1
C	77.53	165.50	2.815	4720	104.7	22.2	22.2	27.7

Results are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BMP, Bangalore - 92

Page 1/1
****End of Report****

FOR CIVIL PRO
K KARTHIK RECHAN
Authorized Signatory
Quality Manager

TEST REPORT OF CEMENT CONCRETE CUBES

CP-2023-11-15-05

Balance Developmental works to Ayurvedic Hospital in Ward No.05
St.H.V.Onkarappa, #27, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-64.

Formal No: CP/TF/01

Date: 20/06/2023

Grade of concrete : M20 / 7 Days Compressive Strength

Date of Casting : 13/06/2023

Date of Testing : 20/06/2023

Dimension of the Specimen : 150.36 X 150.60 X 150.36 (mm)

Cross sectional area : 22645 (Sq.mm)

Weight of the sample : 8.721 (kg)

Failure Load : 335.6 (KN)

Compressive strength : 14.8 (N/mm²)

Average Compressive Strength : 14.7 (N/mm²)

Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
M20	13/06/2023	20/06/2023	150.36 X 150.60 X 150.36	22645	8.721	335.6	14.8	14.7
M20	13/06/2023	20/06/2023	150.65 X 150.77 X 150.17	22714	8.137	322.3	14.2	
M20	13/06/2023	20/06/2023	150.95 X 150.04 X 150.32	22648	8.318	338.8	15.0	

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

CP-2023-11-15-05
Balance Developmental works to Ayurvedic Hospital in Ward No.05
Sri H.V. Onkarappa, #27, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-64.
EE(Project) Yrk Zone/W/O.083/2022-23
15-06-23
Ramp Concrete
150X150X150 mm
M20 / 28 Days Compressive Strength
IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete CI.5

Identification Mark of concrete	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
Ramp Concrete	M20	13/06/2023	11/07/2023	150.15 X 150.28 X 150.20	22565	8.779	530.1	23.5	23.6
				150.07 X 150.31 X 150.77	22556	8.908	533.5	23.7	
				150.56 X 150.83 X 150.04	22708	8.357	537.3	23.7	
Ramp Concrete	M20	13/06/2023	11/07/2023						

Results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



FOR CIVIL PRO.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager